

# Antonio Menarde

## Education

amenarde@gmail.com  
(305) 785-9385  
3901 Locust Walk MB 521  
Philadelphia, PA 19104

### University of Pennsylvania *Jerome Fisher Program in Management and Technology*

- GPA X.XX / 4.0
- B.S. in Engineering
- B.S. in Economics
- Minor

Systems Engineering; SEAS

Operations, Information, and Decisions; the Wharton School  
Mathematics, Computer and Information Science

### Archimedean Upper Conservatory

- Rank: 1/49
- SAT: 2320, ACT: 35
- National AP Scholar

Best Overall Performance Award, MITE, University of Michigan  
9<sup>th</sup> Place at Science Olympiad Nationals (Tech. Prob. Solving)  
Competed in FIRST Robotics Competition and Mu Alpha Theta

## Skillsets

Arduino ●●●●●

Java ●●●●○

OCaml ●●●○○

Office Suite ●●●●○

Matlab ●●○○○

Perl ●●○○○

## Experience

### Balloon Team Lead & Creative Officer, *Penn Aerospace Club (2015 – Present)*

- Organizes weekly team activities; handles launch logistics; manages flight code base; directs growth and recruitment
- Develops print materials and other visual resources for club

### Product Design Intern, *Gridless Power (2016)*

- Gathers and analyzes usage data to create individualized solutions and optimize product
- Product design and sourcing

### Bioinformatics Intern, *University of Miami Miller School of Medicine (2014)*

- Ran genome-wide association studies to look for trends in disease
- Organized genetic data from 50GB+ files and ran statistics on data in Perl and C++, for largest Alzheimer's study to date

### School Volunteer, *Big Brothers Big Sisters of Pennsylvania (2015 – Present)*

- Visits an elementary school weekly to mentor children raised in unfavorable conditions

### Co-Founder, *STEMulated Youth (2013 – 2015)*

- Founded a Miami-based community venture that excited Miami's youth about STEM
- Hosted presentations and hands-on workshops with Miami's youth

## Projects ([github.com/amenarde](https://github.com/amenarde))

**Exhaust** an addicting space and gravity game

**Wearcast** a wall-mounted weather display that tells you what to wear

**fiNYC** a visualization of taxi-cab data from a day in NYC